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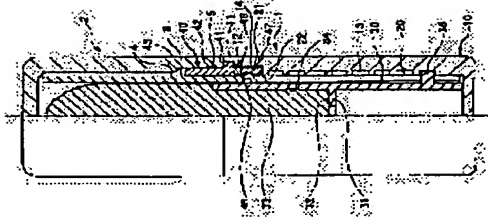
(21)Application number : 07-259809 (71)Applicant : SHISEIDO CO LTD
YOSHIDA KOGYO KK <YKK>
(22)Date of filing : 06.10.1995 (72)Inventor : INOUE TAKASHI
HIGASHIDA HIROYUKI
YUZUHARA YUKITOMO

(54) CONTAINER FOR ROD-LIKE COSMETICS

(57)Abstract:

PROBLEM TO BE SOLVED: To surely prevent dropping or slipping off of an inner cylindrical member from an outer cylindrical member, assemble the inner cylindrical member into the outer cylindrical member from the above for simplification of the assembling process, dispense with filling of grease or silicone for generating rotational sliding resistance, and provide one part with both the function of preventing the dropping or slipping off thereof and the function of generating rotational sliding resistance effectively.

SOLUTION: A fitted ring 21 is arranged annularly on the outer circumference of an inner cylinder 20, and an upper part of an outer cylinder 10, an intermediate part 40 is arranged. In the part 40, plural elastic flexible parts 45 are formed, and on the inner circumferential surface thereof, a fitted recess 46 is to be fitted to the ring 21 of the inner cylinder 20 is formed. On the fore inner surface of the part 45, a projection 47 is formed to elastically abut on the outer surface of the circumferential wall of the inner cylinder 20.



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CLAIMS

[Claim(s)]

[Claim 1] By making it engage with the spiral slot of the outer case object which put the projection which made it project outward on this container liner object through the vertical slit of the container liner object put on this cosmetics *** from cosmetics *** equipped with cylindrical cosmetics, and rotating this outer case object In the cylindrical cosmetics container moves the above-mentioned projection along the above-mentioned spiral slot, making the above-mentioned vertical slit guide, and it was made to make the slide migration of the above-mentioned cosmetics *** carry out in the vertical direction to this outer case object While making it project outward in the above-mentioned vertical slit upper part location of the above-mentioned container liner object and forming a stop projection in it The cylindrical cosmetics container characterized by equipping with an implement while were formed in the shape of [which surrounds this container liner object] a ring between the above-mentioned container liner object and the above-mentioned outer case object, and having the elastic flexible section which overcomes the above-mentioned stop projection and the fitting device which pinches this stop projection from the upper and lower sides was formed inside this elastic flexible section.

[Claim 2] By making it engage with the spiral slot of the outer case object which put the projection which made it project outward on this container liner object through the vertical slit of the container liner object put on this cosmetics *** from cosmetics *** equipped with cylindrical cosmetics, and rotating this outer case object In the cylindrical cosmetics container moves the above-mentioned projection along the above-mentioned spiral slot, making the above-mentioned vertical slit guide, and it was made to make the slide migration of the above-mentioned cosmetics *** carry out in the vertical direction to this outer case object The cylindrical cosmetics container characterized by equipping with an implement while the elastic flexible section which is formed in the shape of [which surrounds this container liner object] a ring between the above-mentioned container liner object and the above-mentioned outer case object, and *** to the peripheral face of this container liner object was formed.

[Claim 3] By making it engage with the spiral slot of the outer case object which put the projection which made it project outward on this container liner object through the vertical slit of the container liner object put on this cosmetics *** from cosmetics *** equipped with cylindrical cosmetics, and rotating this outer case object In the cylindrical cosmetics container moves the above-mentioned projection along the above-mentioned spiral slot, making the above-mentioned vertical slit guide, and it was made to make the slide migration of the above-mentioned cosmetics *** carry out in the vertical direction to this outer case object While making it project outward in the above-mentioned vertical slit upper part location of the above-mentioned container liner object and forming a stop projection in it While having the elastic flexible section which is formed in the shape of [which surrounds this container liner object] a ring between the above-mentioned container liner object and the above-mentioned outer case object, overcomes the above-mentioned stop projection, and *** to the peripheral face of this container liner object The cylindrical cosmetics container characterized by equipping with an implement while the fitting device which pinches this stop projection from the upper and lower sides was formed inside this elastic flexible section.

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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]
[Field of the Invention] This invention equips the outside of the container liner object which has a vertical slit on the outside of cosmetics **** which has a projection in a peripheral face, and cosmetics ****, and a container liner object with the outer case object which has a spiral slot, penetrates a vertical slit and relates to the cylindrical cosmetics container which consists of a body of a tubed container filled up with cylindrical cosmetics as a projection comes to insert in spiral Mizouchi, and a tubed cap fitted in this.

[0002]
[Description of the Prior Art] Conventionally, in this kind of cylindrical cosmetics container, if an outer case object is rotated to a container liner object in order to let out cosmetics, since a container liner object will fall out from the outer case inside of the body A flange is projected and formed in the lower limit section periphery of a container liner object for omission prevention of such a container liner object. After forming an engagement crevice in the bottom circles periphery of an outer case object, inserting a container liner object from the lower part of an outer case object on the other hand and making a flange engage with an engagement crevice, he is trying to stop the pars basilaris ossis occipitalis of an outer case object with a bottom cap. [0003] Moreover, in case an outer case object is rotated to a container liner object, since a rotation sliding friction is produced, it is filled up with grease or silicon between an outer case object and a container liner object, and enables it to acquire smooth actuation feeling by this.

[0004]
[Problem(s) to be Solved by the Invention] However, since it was the structure which stops the pars basilaris ossis occipitalis of an outer case object with a bottom cap after inserting a container liner object from the lower part of an outer case object and making a flange engage with an engagement crevice, if it is in this conventional cylindrical cosmetics container, the bottom cap needed to be manufactured separately, and needed to be attached and the technical problem that a process was complicated and cost also required it occurred.

[0005] Moreover, although it was filled up with grease or silicon between the outer case object and the container liner object in order to produce the rotation sliding friction at the time of rotating a container liner object and an outer case object therefore, the technical problem that a production process was complicated also occurred.

[0006] This invention is what was made in view of this conventional technical problem. The purpose While being able to perform certainly omission prevention of the container liner object from the outer case inside of the body, a container liner object can be attached to the outer case inside of the body from the upper part. A process can be simplified, since a rotation sliding friction is produced further, it can also omit being filled up with grease or silicon, and it aims at moreover offering the cylindrical cosmetics container which can summarize efficiently two functions, these omission prevention and a rotation sliding friction, on one components, and can constitute them.

[0007]

[Means for Solving the Problem] In order to attain this purpose, this invention minds the vertical

slit of the container liner object which put the projection which made it project outward on this cosmetics **** from cosmetics **** equipped with cylindrical cosmetics. By making it engage with the spiral slot of the outer case object put on this container liner object, and rotating this outer case object in the cylindrical cosmetics container moves the above-mentioned projection along the above-mentioned spiral slot, making the above-mentioned vertical slit guide, and it was made to make the slide migration of the above-mentioned cosmetics **** carry out in the vertical direction to this outer case object While making it project outward in the above-mentioned vertical slit upper part location of the above-mentioned container liner object and forming a stop projection in it is characterized by equipping with an implement, while were formed in the shape of [which surrounds this container liner object] a ring between the above-mentioned container liner object and the above-mentioned outer case object, and having the elastic flexible section which overcomes the above-mentioned stop projection and the fitting crevice which pinches this stop projection from the upper and lower sides was formed inside this elastic flexible section.

[0008] Moreover, by making it engage with the spiral slot of the outer case object which put the projection which made it project outward on this container liner object through the vertical slit of the container liner object put on this cosmetics **** from cosmetics **** equipped with cylindrical cosmetics, and rotating this outer case object in the cylindrical cosmetics container moves the above-mentioned projection along the above-mentioned spiral slot, making the above-mentioned vertical slit guide, and it was made to make the slide migration of the above-mentioned cosmetics **** carry out in the vertical direction to this outer case object It is characterized by equipping with an implement, while the elastic flexible section which is formed in the shape of [which surrounds this container liner object] a ring between the above-mentioned container liner object and the above-mentioned outer case object, and **** to the peripheral face of this container liner object was formed.

[0009] Furthermore, by making it engage with the spiral slot of the outer case object which put the projection which made it project outward on this container liner object through the vertical slit of the container liner object put on this cosmetics **** from cosmetics **** equipped with cylindrical cosmetics, and rotating this outer case object in the cylindrical cosmetics container moves the above-mentioned projection along the above-mentioned spiral slot, making the above-mentioned vertical slit guide, and it was made to make the slide migration of the above-mentioned cosmetics **** carry out in the vertical direction to this outer case object While making it project outward in the above-mentioned vertical slit upper part location of the above-mentioned container liner object and forming a stop projection in it While having the elastic flexible section which is formed in the shape of [which surrounds this container liner object] a ring between the above-mentioned container liner object and the above-mentioned outer case object, overcomes the above-mentioned stop projection, and **** to the peripheral face of this container liner object It is characterized by equipping with an implement, while the fitting crevice which pinches this stop projection from the upper and lower sides was formed inside this elastic flexible section.

[0010] According to the cylindrical cosmetics container of invention of claim 1 which has the above-mentioned configuration, to the stop projection of a container liner object By fitting in the fitting crevice formed inside the elastic flexible section of an inside implement, attaching the container liner object with which the implement in after that was attached from the upper part of an outer case object, and equipping with an inside [this] implement between outer case objects It becomes unnecessary bottom capping [which can prevent the omission of a container liner object, therefore stops the pars basilaris ossis occipitalis of an outer case object], and a manufacture process is also simplified.

[0011] Moreover, delivery actuation of smooth cosmetics can be guaranteed, without according to the cylindrical cosmetics container of invention of claim 2, being able to produce a rotation sliding friction and being filled up with grease or silicon between an outer case object and a container liner object, in case an outer case object is rotated, in order to let out cosmetics, when the elastic flexible section of an inside implement **** to the peripheral face of a container liner object

[0012] Furthermore, according to the cylindrical cosmetics container of invention of claim 3, the two above-mentioned functions can be summarized on one components called an inside implement, it can constitute from a highly efficient gestalt, and the good cylindrical cosmetics container of manufacturability can be offered.

[0013]

[Embodiment of the Invention] Hereafter, the example of this invention is explained to a detail with reference to an accompanying drawing. Drawing 1 thru/or drawing 4 show the 1st example of the cylindrical cosmetics container of this invention.

[0014] The cylindrical cosmetics container of this example is constituted by the tubed cap 2 fitted in the body 1 of a tubed container, and this. It consists of the outer case object 10 with which the body 1 of a tubed container forms the outline as shown in drawing 1, a container liner object 20, and cosmetics **** 30, the container liner object 20 is arranged on the outside of cosmetics **** 30, and the outer case object 10 is arranged on the outside of the container liner object 20. Moreover, it is equipped with the inside implement 40 between the container objects 20 near the upper limit section of the outer case object 10.

[0015] The outer case object 10 is a barrel of the owner bottom of a cylindrical shape, the annular notch 11 is formed in upper limit section inner circumference, and the annular crevice 14 is formed in the lower part inner circumference through the annular step 12. Furthermore, the spiral slot 13 is engraved on the lower part inner circumference.

[0016] The container liner object 20 is a barrel which has an outer diameter a little smaller than the bore of the outer case object 10, and a streak of fitting ring 21 as a stop projection protrudes annularly along the hoop direction near the upper limit section of the outer case object 10 in the abbreviation pars intermedia of the peripheral face. Moreover, the vertical slit 22 which was made to correspond to the shaft-orientations die length of the spiral slot 13 of the outer case object 10, and was formed under the fitting ring 21 is formed, and opening of this vertical slit 22 is carried out caudad.

[0017] Cosmetics **** 30 is the barrel which has an outer diameter a little smaller than the bore of the container liner object 20, it is divided up and down with a bridgewall 31, that upper part is formed as a cosmetics pan 32, and the cosmetics 33, such as a lip stick, foundation, and rouge, are dedicated to this cosmetics pan 32. Moreover, the engagement crevice 34 for omission prevention of cosmetics 33 is continued and formed in the hoop direction at the upper part section inner skin of the cosmetics pan 32. Furthermore, in the peripheral face lower part of cosmetics **** 30, the engagement projections 35 and 35 project to the method of outside, and are formed in the location which counters at it. This engagement projection 35 constitutes the advanced device of cosmetics **** 30 by penetrating the vertical slit 22 formed in the container liner object 20, and being engaged in the spiral slot 13 of the outer case object 10.

[0018] Therefore, if the outer case object 10 is relatively rotated to the container liner object 20 from the condition shown in drawing 2, as shown in drawing 3, the engagement projection 35 goes up to the upper limit location of the vertical slit 22 along the spiral slot 13, and, thereby, the cosmetics 33 of the cosmetics pan 32 come to project from the outer case object 10.

[0019] The inside implement 40 has the shape of a ring which surrounds the container liner object 20, and along the hoop direction, a streak of annular projected part 41 projects in the pars intermedia of the peripheral face, and it is formed in it. Moreover, a streak of annular rib 42 is projected and formed above the annular projected part 41 along the hoop direction. Furthermore, the inclined plane 43 is formed in the upper limit section periphery of the inside implement 40. Furthermore, suspension formation of two or more elastic flexible sections 45 is carried out through the slit 44 in the hoop direction at the lower part of the annular projected part 41. The fitting crevice 46 which can fit into the fitting ring 21 of the container liner object 20 is formed in the inside of this elastic flexible section 45, and the projected part 47 of the inner sense is projected and formed in the point.

[0020] The outer diameter is equal to the outer diameter of the outer case object 10, the tubed cap 2 is formed, and the lower part section 3 is formed a little in closing in through the inclined plane 4. And the annular rib 42 of the inside implement 40 and a streak of circular sulcus 5 which can be fitted in are formed in the inner skin of the lower part section 3 along a hoop direction,

and, thereby, the tubed cap 2 fits into it detachably through an implement 40 at the body 1 of a tubed container during the above.

[0021] If cosmetics **** 30 is arranged and it equips with the inside implement 40 from the upper part of the container liner object 20 in the container liner object 20 of the above configurations, as shown in drawing 4, the elastic flexible section 45 of the inside implement 40 will overcome the fitting ring 21 of the container liner object 20 by bending to the method of the outside of some, and the fitting crevice 46 will fit into the fitting ring 21. And if an implement 40 is inserted while attaching in the container liner object 20 and this from the upper part of the outer case object 10, the annular projected part 41 of the inside implement 40 will stop to the annular notch 11 formed in the outer case object 10. Then, if the outer case object 10 and the inside implement 40 are welded in one, it is fixed where the upper and lower sides of the fitting ring 21 are put in the elastic flexible section 45 of the inside implement 40, and the container liner object 20 can prevent the container liner object 20 falling out of the outer case object 10, and coming out of it by this. Under the present circumstances, it becomes possible to attach the container liner object 20 from the upper part in the outer case object 10, it becomes unnecessary conventional bottom capping [which stops the pars basilaris oissis occipitalis of the outer case object 10], and a manufacture process is also simplified by this.

[0022] Moreover, since the projected part 47 formed in the method of the inside of a point of the elastic flexible section 45 is ****(ed) to the lower peripheral face of the fitting ring 21 of the container liner object 20, it can produce the rotation sliding friction at the time of rotating the outer case object 10 and letting out cosmetics, and can secure delivery actuation of smooth cosmetics.

[0023] Furthermore, the container liner object 20 from the above-mentioned outer case object 10 can fall out, a stop and two functions of grant of the sliding friction at the time of outer case object 10 rotation can be summarized on one components called the inside implement 40, and can be constituted, and the good cylindrical cosmetics container of manufacturability can be offered.

[0024] Drawing 5 shows other examples, and omits and describes the explanation which gives the same sign to the same component as said example, and overlaps it.

[0025] Although it is the cylindrical cosmetics container of the type which inserts the cosmetics 33, such as a cast lip stick, foundation, and rouge, in the cosmetics pan 32 of cosmetics **** 30 in the example shown in drawing 1 thru/or drawing 4 In the example of this drawing 5, the container liner object 20 is arranged in the outer case object 10, and cosmetics **** 30 is arranged in the container liner object 20. At the time of restoration of cosmetics The temporary cap 25 is put on the upper limit section of the container liner object 20, it applies to the cylindrical cosmetics container of the type directly filled up with cosmetics by slushing cosmetics 33a fused from lower part opening of the outer case object 10 after that, and the operation and effectiveness are the same as the 1st example of the above.

[0026]

[Effect of the Invention] As mentioned above, if it is in the cosmetics container of this invention as explained While making it project outward in the vertical slit upper part location of a container liner object and forming a stop projection in it. While having the elastic flexible section which is formed between a container liner object and an outer case object in the shape of [which surrounds a container liner object] a ring, and overcomes a stop projection Since it is characterized by equipping with an implement while the fitting crevice which pinches a stop projection from the upper and lower sides was formed inside the elastic flexible section After the fitting crevice inside [elastic flexible section] an inside implement has put the stop projection of a container liner object from the upper and lower sides, it is equipped with an inside implement between outer case objects, and it can prevent that a container liner object falls out from the outer case inside of the body by this. Under the present circumstances, it becomes possible to attach a container liner object to the outer case inside of the body from the upper part, it becomes unnecessary bottom capping [which stops the pars basilaris oissis occipitalis of an outer case object], and a manufacture process can also be simplified again.

[0027] Moreover, since it is characterized by equipping with an implement while the elastic

flexible section which is formed between a container liner object and an outer case object in the shape of [which surrounds a container liner object] a ring, and **** to the peripheral face of a container liner object was formed Delivery actuation of smooth cosmetics can be guaranteed without being able to obtain the rotation sliding friction at the time of the elastic flexible section of an inside implement ****(ing) to the peripheral face of a container liner object, rotating an outer case object by this, and letting out cosmetics, and being filled up with grease or silicon between an outer case object and a container liner object like before.

[0028] Furthermore, while making it project outward in the vertical slit upper part location of a container liner object and forming a stop projection in it While having the elastic flexible section which is formed between a container liner object and an outer case object in the shape of [which surrounds a container liner object] a ring, overcomes a stop projection, and **** to the peripheral face of a container liner object Since it is characterized by equipping with an implement while the fitting crevice which pinches a stop projection from the upper and lower sides was formed inside the elastic flexible section The container liner object from the above-mentioned outer case object can fall out, two functions of grant of a stop and the rotation sliding friction at the time of outer case object rotation can be summarized on one components called an inside implement. it can constitute from a highly efficient gestalt, and the outstanding effectiveness that the good cylindrical cosmetics container of manufacturability can be offered is done so.

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] It is the decomposition perspective view of the body of a tubed container of the cylindrical cosmetics container concerning the 1st example of this invention.

[Drawing 2] the condition of having equipped with the cap is shown in the cylindrical cosmetics container concerning the 1st example of this invention -- it is a cross-section side elevation a part.

[Drawing 3] the condition of having removed the cap and having let out cosmetics from the cylindrical cosmetics container concerning the 1st example of this invention is shown -- it is a cross-section side elevation a part.

[Drawing 4] It is the important section expanded sectional view of drawing 2.

[Drawing 5] a part of time of cosmetics restoration of the cylindrical cosmetics container in which other examples of this invention are shown -- it is a cross-section side elevation.

[Description of Notations]

2 Tubed Cap 10 Outer Case Object

13 Spiral Slot 20 Container Liner Object

21 Fitting Ring 22 Vertical Slit

30 Cosmetics *** 35 Engagement Projection

33 Cylindrical Cosmetics 40 Inside Implement

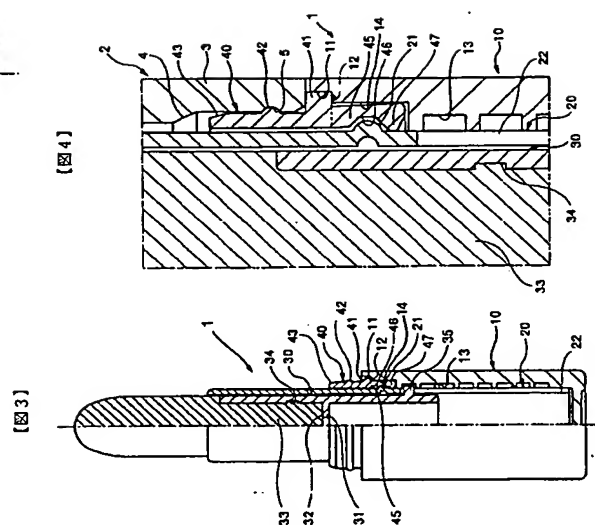
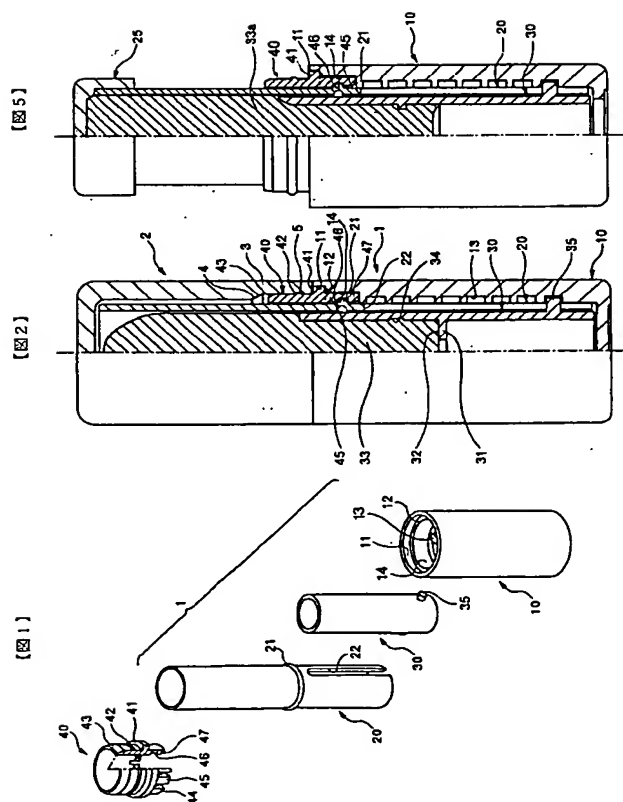
45 Elastic Flexible Section 46 Fitting Crevice

[Translation done.]

フロントページの続き

(72) 発明者 抽原 幸知

東京都墨田区立花5丁目29番10号 吉田工
業株式会社内



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